

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number  
**WO 2004/019160 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 15/173**

(21) International Application Number:  
PCT/US2003/025581

(22) International Filing Date: 14 August 2003 (14.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/405,511 23 August 2002 (23.08.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

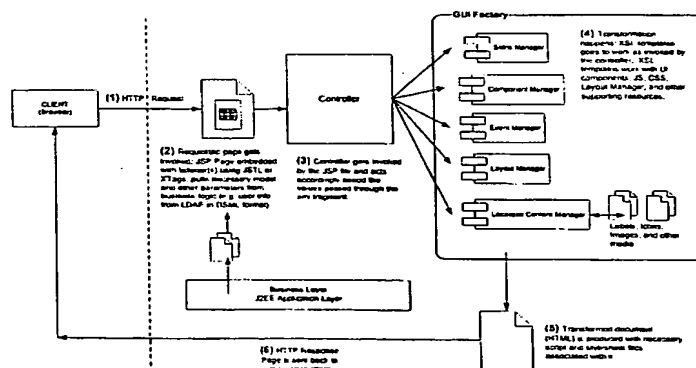
**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
29 April 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: EXTENSIBLE USER INTERFACE (XUI) FRAMEWORK AND DEVELOPMENT ENVIRONMENT



(57) Abstract: A web application development environment and method employs an extensible user interface (XUI) Framework for creating GUI-managing components written in a declarative format for handling GUI components in a web application. The GUI-managing components are coordinated in a view presentation layer by a Controller in an Extended-Model-View-Controller (XMVC) pattern in conjunction with the business logic layer. The Controller is invoked (3) by a user request for a web page (2) and in turn invokes the GUI-managing components to parse information contained in a corresponding web application file for the requested web page in order to determine the templates and sub-templates to be invoked for handling the GUI components (4). Each template has a mode value which is set by mode information contained in the web application file for the requested web page. The XUI Framework has the ability to handle a rich set of GUI components without having to implement web applications development technologies. Instead, the declarative-formatted GUI components can be created and processed using lightweight technologies for client-side and server-side processing (5). The XUI Framework allows for the efficient authoring and processing of GUI components for a wide range of web applications.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25581

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(7) : G06F 15/173 US CL : 709/223, 224, 320, 329 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 709/223, 224, 320, 329		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P — Y,P	US 2003/0085918 A1 (BEAUMONT et al) 08 May 2003 (08.05.2003), paragraphs [0003]-[0004], [0010]-[0013], [0023]-[0025], [0031], [0034], [0040]-[0042], [0046], [0050]  US 2002/0140743 A1 (DELUCA et al) 03 October 2002 (03.10.2002), paragraphs [0038], [0041]-[0043], [0046], [0049]-[0050]	1-20 — 1-20
Y,E — Y,P	US 6,654,784 B1 (WEI) 25 November 2003 (25.11.2003), column 5, lines 5-40, column 11, lines 7-25, 60-65  US 2002/0129129 A1 (BLOCH et al) 12 September 2002 (12.09.2002), paragraphs [0028]-[0030], [0046]-[0047], [0058], [0063]-[0064]	1-20 — 1-20
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search 20 February 2004 (20.02.2004)		Date of mailing of the international search report 10 MAR 2004
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Authorized officer Barbara N Burgess <i>Peggy Hamod</i> Telephone No. (703) 305-3900

Form PCT/ISA/210 (second sheet) (July 1998)

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